

SITE NUMBER: NC-L3-01
LOCAL NAME: Horseshoe Pond
WRIA: 20.0180B

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: N.F.Calawah **DATE:** 4/19/90 **OBSERVER:** Nettnin

CHANNEL TYPE: Isolated off channel pond

TRIBUTARY TO: N. F. Calawah R. (20.0177)

SITE LOCATION: L.B. @ River Mile: 5.8 (WDF)

LEGAL DESCRIPTION:

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	53 F	51 F	48 F
<u>FLOW (CFS):</u>	0.0	0.0	

SUBSTRATE TYPE: Egress: shallow, vegetated depression scoured to clay in a few spots. Pond: Sandy

SITE SIZE: **Length-** Egress: 70 m Pond: 120 m
 Width- Surface = Egress: dry Pond: 20 m
 Channel = Egress: 1 - 2 ft Pond: 20 - 24 m
 Depth- Egress: dry Pond: 1 - 2 ft (2-3 ft winter max)

WATER SOURCE: Only small seep springs are visible. May possibly be fed by subsurface springs. The water is very clear.

DIRECTIONS TO SITE: North from the town of Forks on Hwy 101. Turn right (east) about 0.25 miles north of MP 193 onto F.S. Road 29. Follow F.S. 29 until coming to Klahanie Campground (between m.p. 5 and 6). Continue another 0.1 to 0.2 miles on F.S. 29 and then turn left (north) onto F.S. 015. Drive to the "tank trap" barrier just past the rock pit. Walk upstream along the grade about 2 miles until coming to Fahnestock Cr. (20.0180). Ford the creek and continue north on the grade another half mile until it intersects the river. Go upstream along the left bank of the river to the first hard bend (about 0.3 miles). The egress of NC-L3-01 is just up-stream of this bend (it may be difficult to find). The pond is just N.E of the bend and about 70 m back from the river. NC-L3-01 is also accessible from the north by following an old grade down the right bank of the river (see directions to NC-R3-01). This route requires a 2 mile walk into the site and the river must be forded twice.

FISH ACCESS AND CURRENT USE: NC-L3-01 does not appear to be very accessible to juvenile coho. The egress was dry at the time of this survey. It appears that water only runs out of the pond during periods of heavy rain. The egress is poorly defined where it enters the river. No fish were observed in the pond.

FLOODING POTENTIAL: Low.

LANDOWNER: Unknown at this time.

(continued on next page)

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(Continued)

COMMENTS & RECOMMENDATIONS: NC-L3-01 is a small and rather unusual off channel pond. It contains very clear, "spring-like" water but does not appear to have a great deal of water flowing into or out of it at any time. The egress channel, which was dry at the time of this survey, is very poorly defined and could easily be over-looked while walking along the river bank. The egress appears to accommodate only a small volume of flowing water during periods of heavy run off. Since the pond is visible, and apparently watered, on the 1985 aerial photos (which were taken in early July), it appears that the pond remains watered at least into early summer. The pond presently appears to be about 1 ft below its maximum winter level.

Cover in the pond is primarily supplied by scattered sedge grasses at each end of the pond and L.O.D. scattered throughout. Large areas of the pond have a white, sandy bottom that would greatly reduce a fish's ability to hide in the open portion of the pond and greatly increase the fish's need for additional cover.

It may be possible to excavate an egress channel at NC-L3-01 that would provide reliable fish access to the pond. The first thing required, however, is to determine if enough spring water is present to provide a continuous surface out flow. If not enough flow exists, such an excavation might easily drain the pond.

Access to this pond is poor for both man and machine. It is about a 1 hour walk in from the south. The walk in from the north is shorter but requires fording the river twice. When flows are up the northern access may not be feasible. The best machine access appears to be the north access which follows an old grade along the right bank. A culvert or two is gone along this grade and again it would require crossing the river with machinery twice. The banks are a little steep at the lower ford.

DATE: 7/31/90

OBSERVER: Nettnin

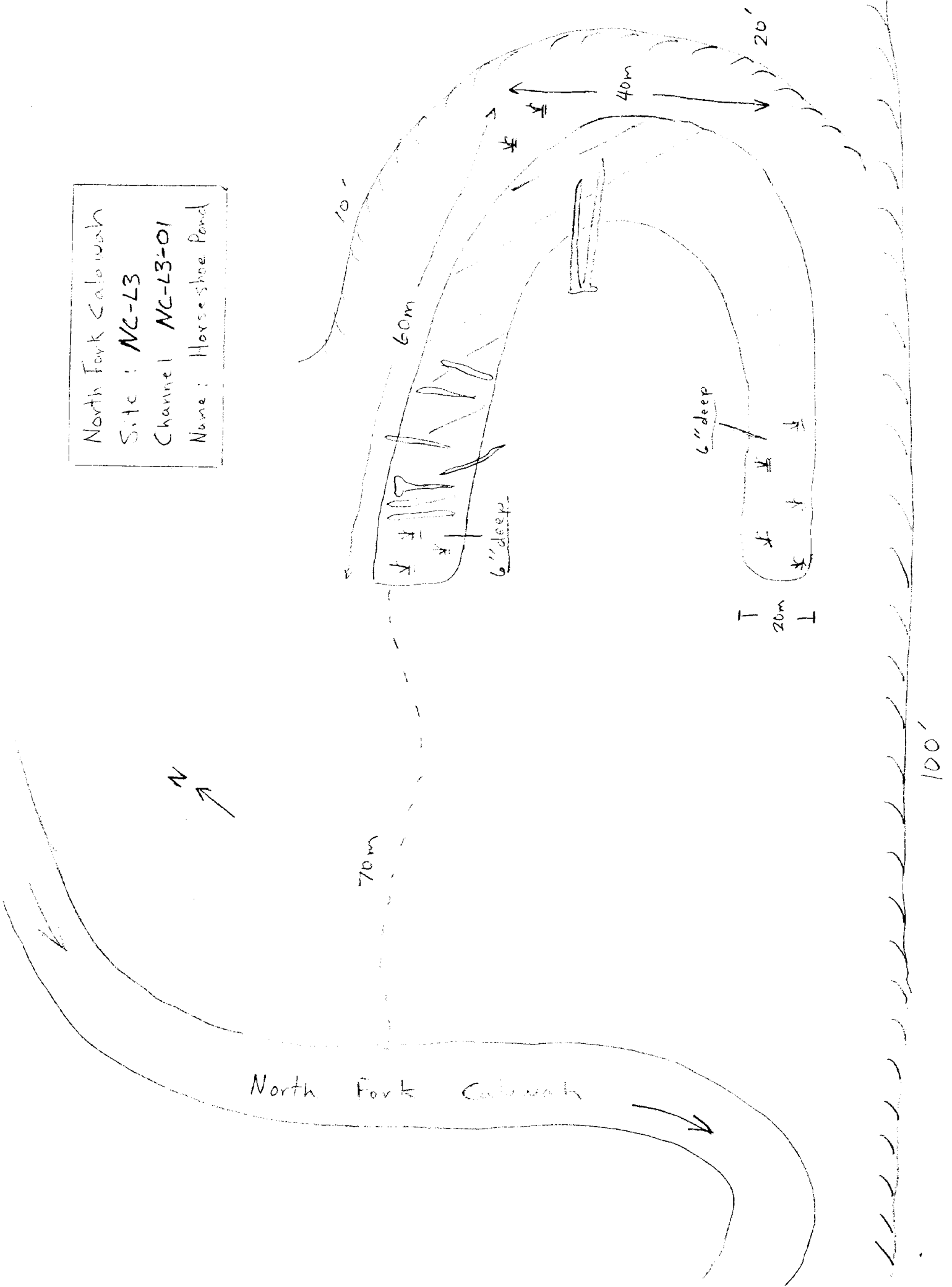
The center of the pond is still contains water. Water temp at the outlet end is 71 F. Water temp at center of the pond is 70 F. A small spring at the toe of the terrace is 59 F. Flow at the spring is only a trickle. A dry inlet channel to the pond, which probably carries water during periods of high run off, was also seen.

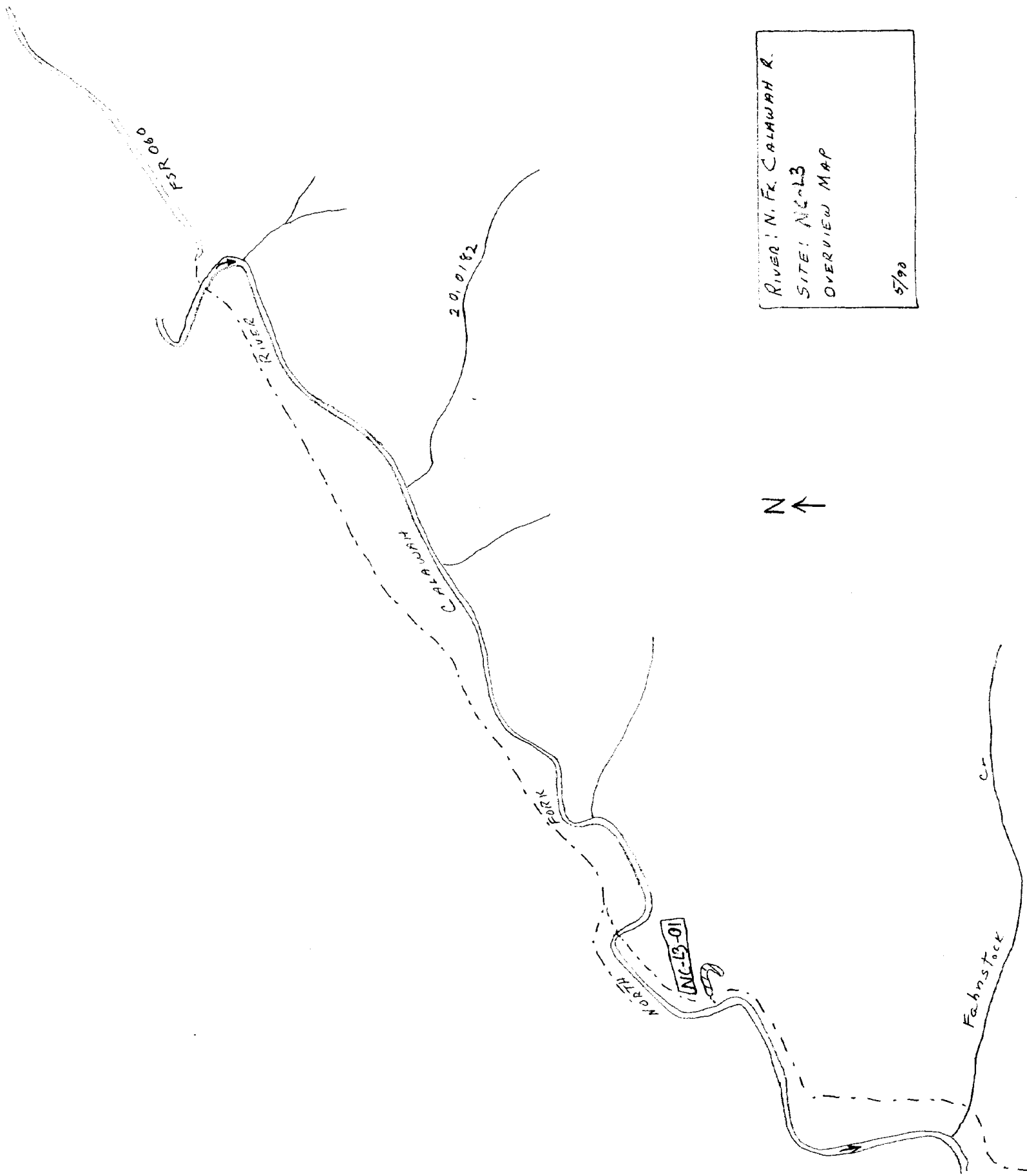
North Fork Calowash

Site: NC-L3

Channel NC-L3-01

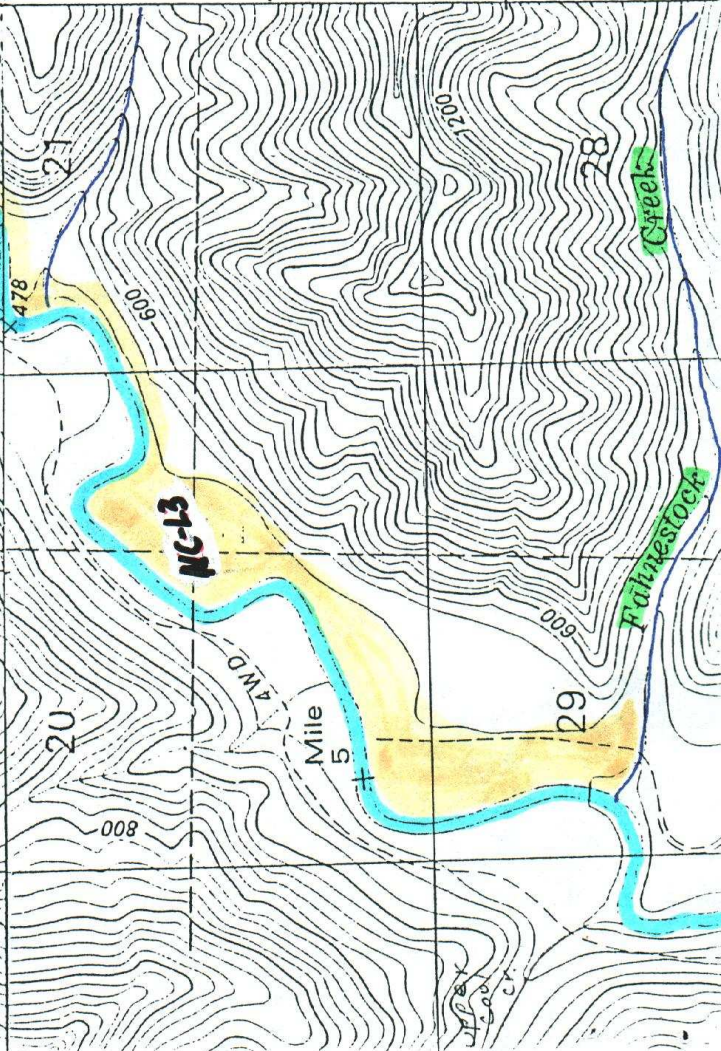
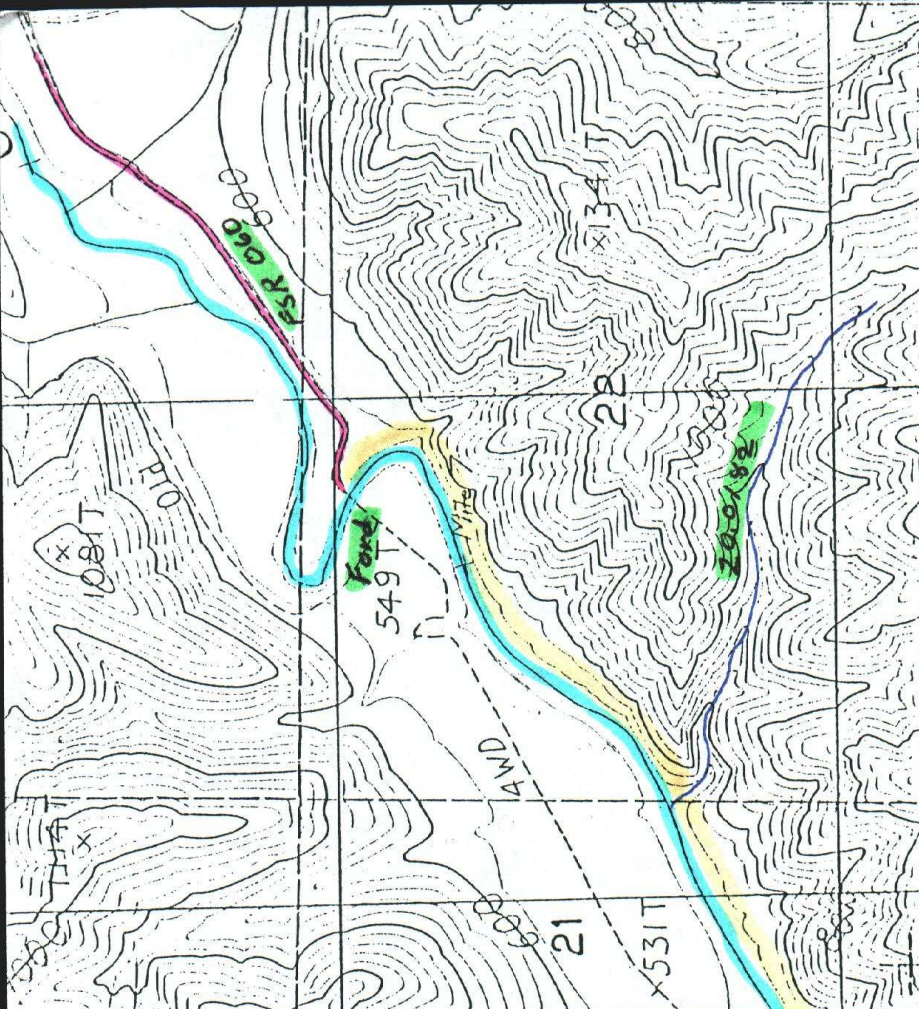
Name: Horseshoe Pond





RIVER: N. FK. CALAWAH R.
SITE: INC-13
OVERVIEW MAP
5/90

FOREST



RIVER: N. FK. CALAWAN R.
SITE: NC-13
SITE MAP

5316
380 000
FEET